



U.S.S. R-8

SUBMARINE NO -85

- ORDER OF PLANS
- SECTIONS & PRINCIPAL DIMENSIONS
- PROFILE OUTBOARD
- PROFILE INBOARD
- SUPERSTRUCTURE DECK
- PLAN BELOW SUPERSTRUCTURE DECK
- PLAN OF BATTERY DECK
- PLAN BELOW BATTERY DECK

CORRECTED TO SUIT SHIP		
PLACE	DATE	CONSTRUCTION OFFICER
OFFICE OF SUPY CONST. U.S.N. QUINCY MASS	MAY 13, 1920	
NAVY YARD, PEARL HARBOR, T. HAWAII	APRIL 25, 1927	
" " " " "	MAY 1, 1930	J. H. H. Le, LT. CMDR. (C) U.S.N.

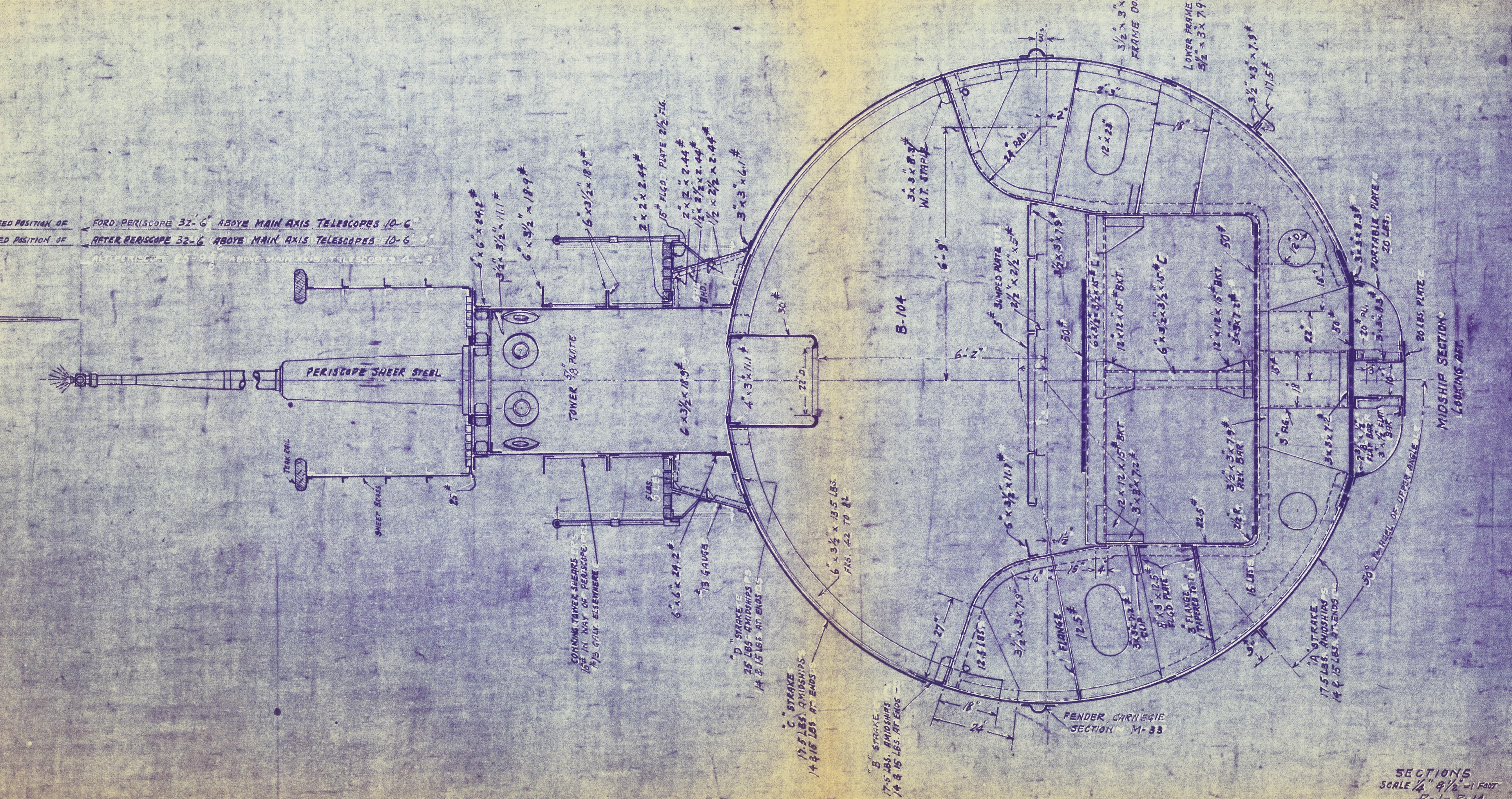
Bu. C. & R. No. 76751-H

5-10-20
1761
2-2-R
7800

9761

8-11-18
4/101
J. H. H. Le
Submarine Construction Officer

TABLE OF CAPACITIES				
FORD TRIMMING TANK	453	CU. FT.	FUEL TANK NO. 1	938 GALS.
FORD MAIN BALLAST TANK	817	CU. FT.	" " NO. 2	1366 "
AUXILIARY BALLAST TANK	734	CU. FT.	" " NO. 3	1590 "
AFTER MAIN BALLAST TANK	1199	CU. FT.	" " NO. 4	1642 "
AFTER TRIMMING TANK	925	CU. FT.	" " NO. 5	1302 "
REGULATOR TANK	25	CU. FT.	" " NO. 6	1544 "
LUBRICATING OIL TANK	585	GALS.	" " NO. 7	1709 "
PUMP TANK	244	GALS.		
FRESH WATER TANK	893	GALS.		



NOTE: THIS DRAWING WAS CORRECTED AT NAVY YARD, PEARL HARBOR, T.H. MAY 11, 1930

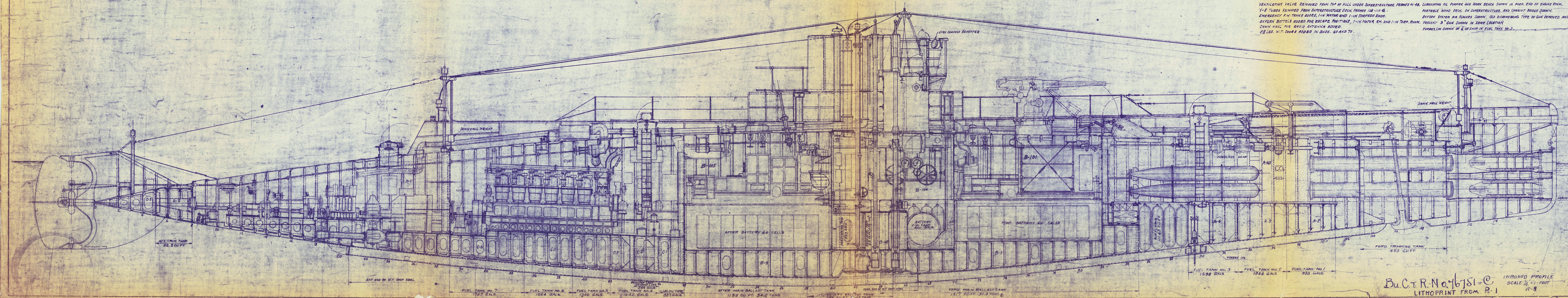
ALTERATIONS

LOCATION AND NUMBER OF LIGHTS ALTERED.
SUPERSTRUCTURE AFT REMOVED FROM FRAME 2 TO 26.
CLEARING LINE STANCHION MOVED FWD. FROM FRAMES 23-24 TO 28-29.
CLEARING LINE EXTENDED 9 FT. TO NEW STANCHION WITH OBSTRUCTION LIGHT.
ESCAPE TRUNK FROM MOTOR ROOM ADDED AT FRAME 24 1/2.
GYRO COMPASS REPEATER ADDED ON CHARIOT BRIDGE.
GYRO COMPASS MOVED FROM FORD. BATT. RM. TO ART. BATT. RM. FRAMES 58 TO 60 1/2.
W.C. ADDED IN FORD. BATT. ROOM FRAMES 70-73 STATED. SIDE.
ARRANGEMENT OF BERTHS IN TORPEDO ROOM ALTERED.
SALVAGE AIR CONNECTIONS ADDED ON SUPERSTRUCTURE DECK.
VENTILATION VALVE REMOVED FROM TOP OF HULL UNDER SUPERSTRUCTURE FRAMES 41-48.
Y-5 TUBES REMOVED FROM SUPERSTRUCTURE DECK FRAMES 108-110 1/2.
EMERGENCY F.W. TANKS ADDED, 1-IN MOTOR RM. AND 1-IN TORPEDO ROOM.
OXYGEN BOTTLES ADDED FOR ESCAPE POSITIONS, 1-IN MOTOR RM. AND 1-IN TORP. ROOM.
DOWN HULL FOR RADIO ANTENNA ADDED.
88 LBS. W.T. DOORS ADDED IN BIDS. 60 AND 70.

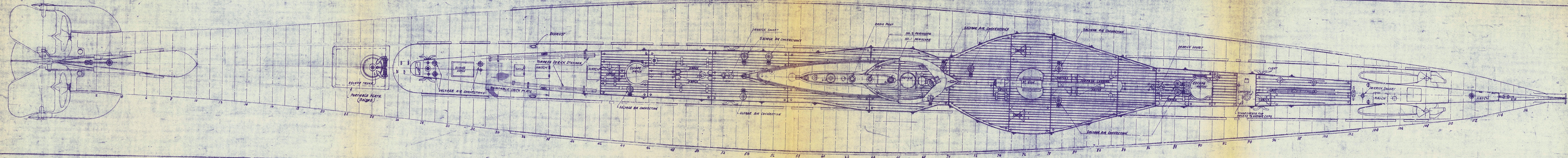
NOTE: THIS DRAWING WAS CORRECTED AT NAVY YARD, PEARL HARBOR, T.H. MAY 15, 1937

ALTERATIONS

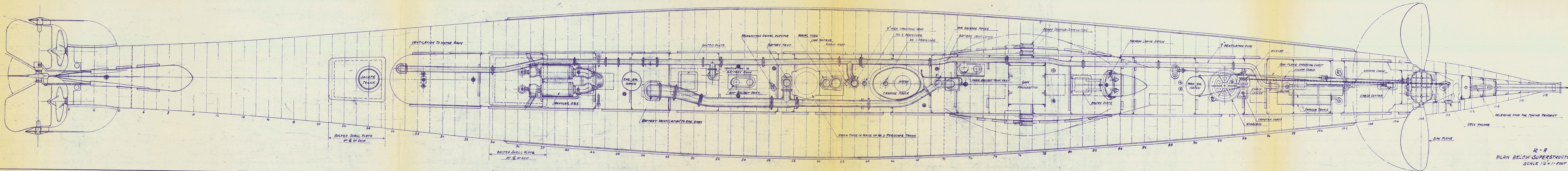
FORD. TRIMMING AND FUEL OIL COMPENSATING MANIFOLDS SHOWN IN TORPEDO ROOM.
S.C. TUBE AND REARRANGEMENT OF VENT. FAN AND AIR PURIFIER SHOWN IN TORPEDO ROOM.
PORTABLE SHEET METAL BULKHEAD AND BERTHS SHOWN IN FORD. BATTERY ROOM.
VENTILATION OF FORD. BATTERY ROOM, AND MAIN BALLAST TANK VENT. PIPING SHOWN.
ALTERATIONS TO CHARIOT BRIDGE, NEW RADIO MAST, LOOP ANTENNA, FLAT TOP ANTENNA, ENTERING TUBE, STANCHIONS AND CLEARING LINES SHOWN.
OLD NO. 3 PERISCOPE AND TRUNK REMOVED, NEW NO. 1 AND NO. 2 PERISCOPES AND WELLS SHOWN.
RECOGNITION SIGNAL GUN SHOWN IN ART. BATTERY ROOM, AND STOWAGE OF RECOGNITION SIGNAL CONTAINERS SHOWN IN FORD. BATTERY ROOM. VENTILATION TO ELECT. RANGE AND RADIO ROOM SHOWN.
VENTILATION FAN AND AIR PURIFIER SHOWN IN AFTER BATTERY ROOM.
LUBRICATING OIL PURIFIER AND WORK BENCH SHOWN IN FORD. END OF ENGINE ROOM.
PORTABLE WOOD DECK ON SUPERSTRUCTURE AND CHARIOT BRIDGE SHOWN.
OXYGEN SYSTEM AIR FLASKS SHOWN. OLD DISAPPEARING TYPE OF GUN REMOVED AND DOWN HULL FOR RADIO ANTENNA ADDED.
FORBES LOG SHOWN AT 6 OF SHIP IN FUEL TANK NO. 3.

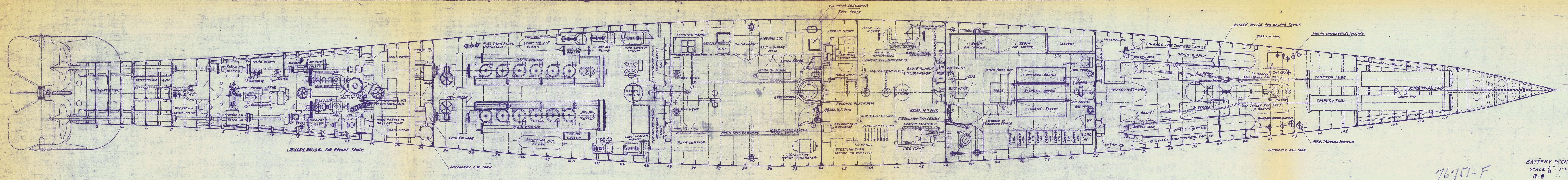


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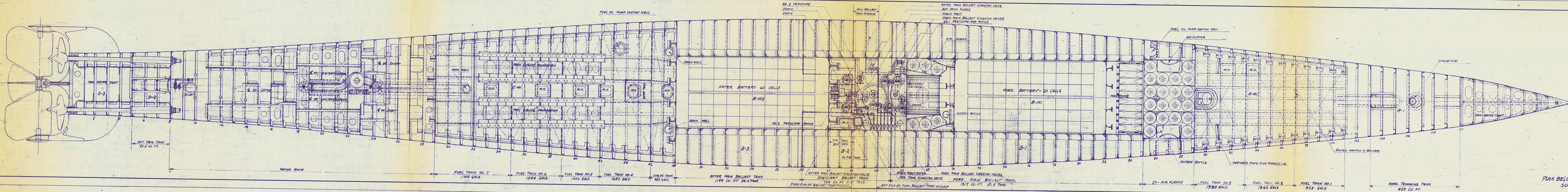


SUPERSTRUCTURE DECK
SCALE $\frac{1}{4}" = 1\text{-FT.}$
B-8





BATTERY DECK
SCALE $\frac{1}{4}" = 1\text{-FT}$
R-8



PLAN BELOW BATTERY DECK
SCALE 1/4" = 1'-0"
R-8